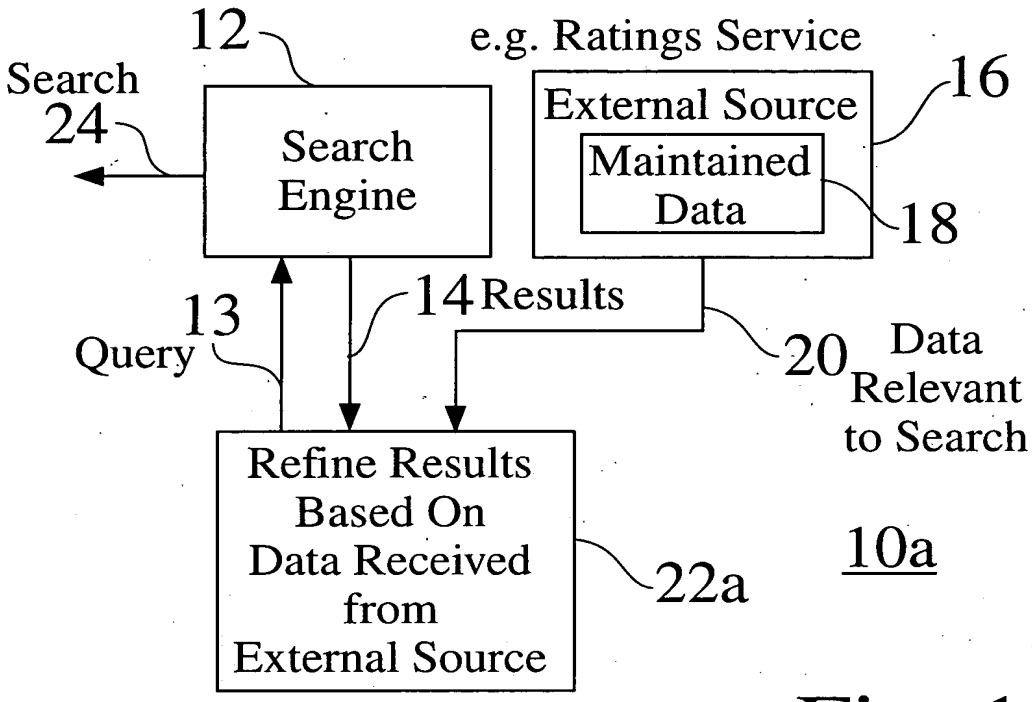
12
e.g. Ratings Service
Search
24
Search Engine
External Source
Maintained Data
16
18
13
Query
14
Results
20
Data Relevant to Search
Refine Results Based On Data Received from External Source
22a
10a

Fig. 1

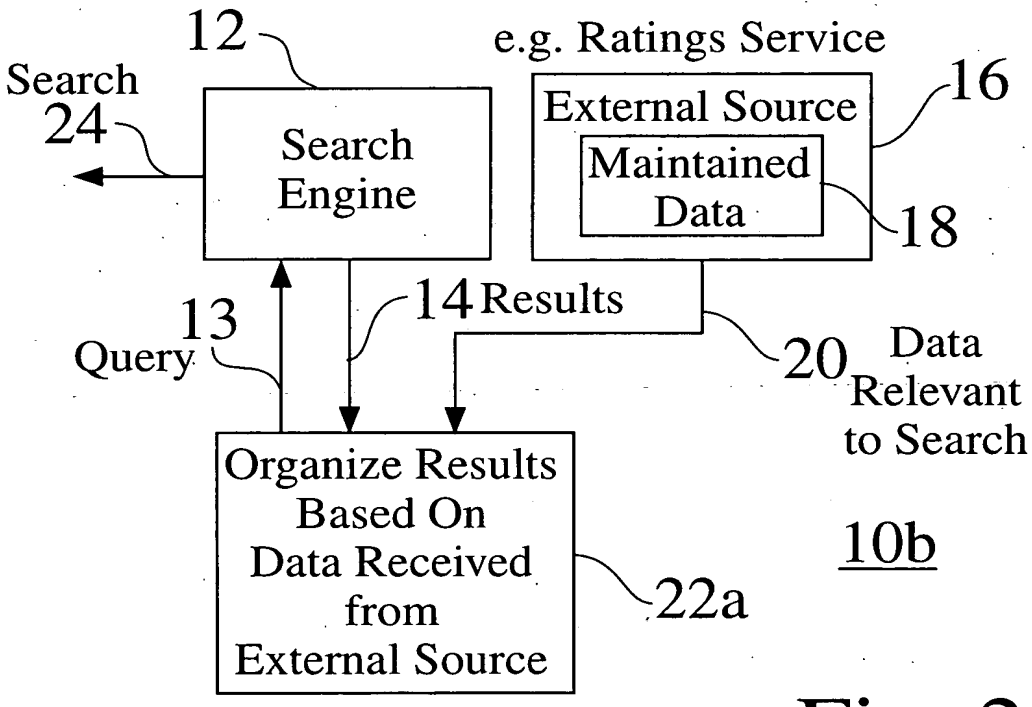
12
e.g. Ratings Service
Search
24
Search Engine
External Source
Maintained Data
16
18
13
Query
14
Results
20
Data Relevant to Search
Organize Results Based On Data Received from External Source
22a
10b

Fig. 2

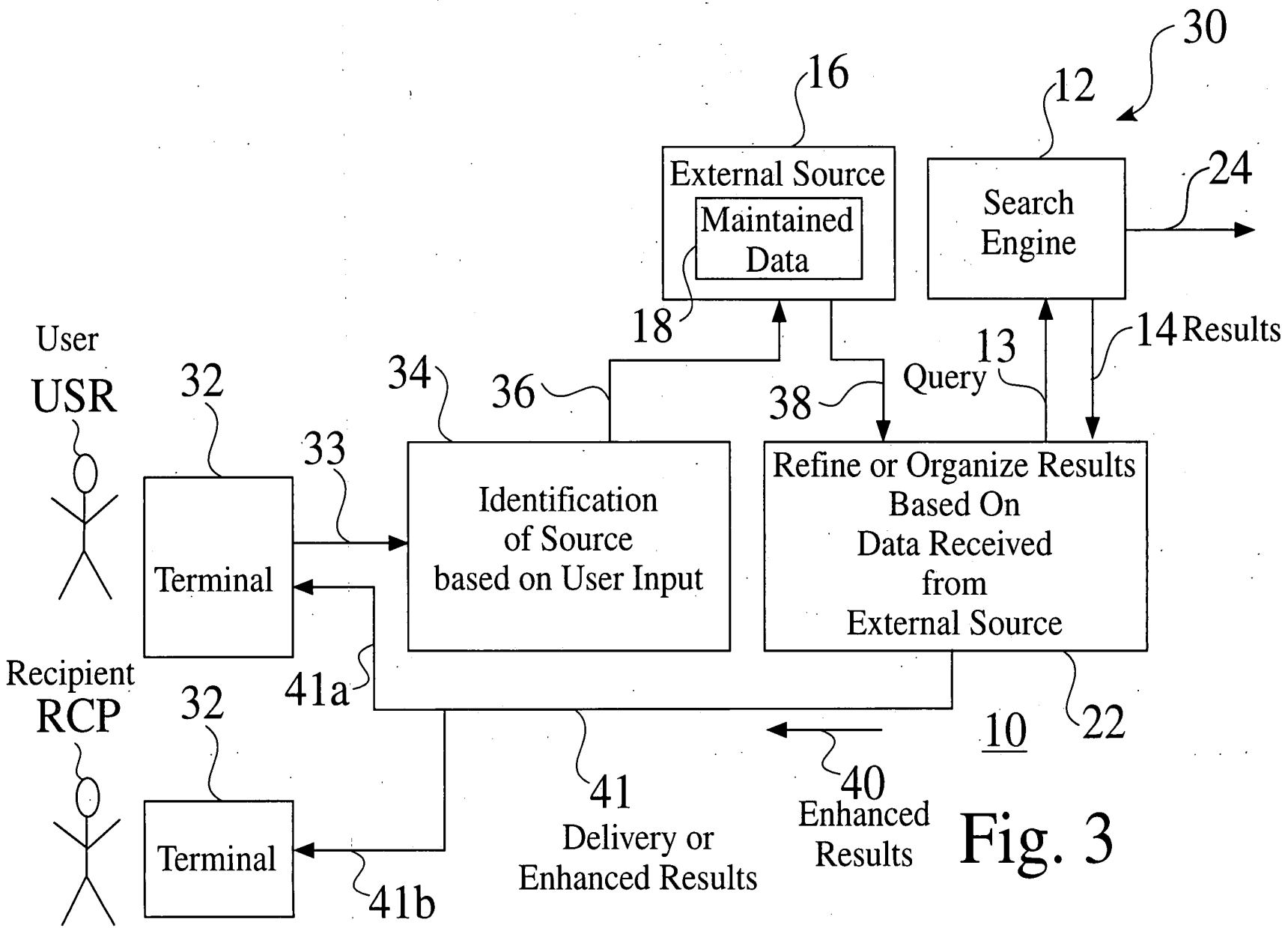
16
12
30
External Source
Maintained Data
Search Engine
24
18
13
14 Results
Query
User
USR
32
34
36
38
33
Identification of Source based on User Input
Refine or Organize Results Based On Data Received from External Source
Terminal
Recipient
RCP
32
41a
22
10
41
Delivery or Enhanced Results
40
Enhanced Results
Terminal
41b

Fig. 3

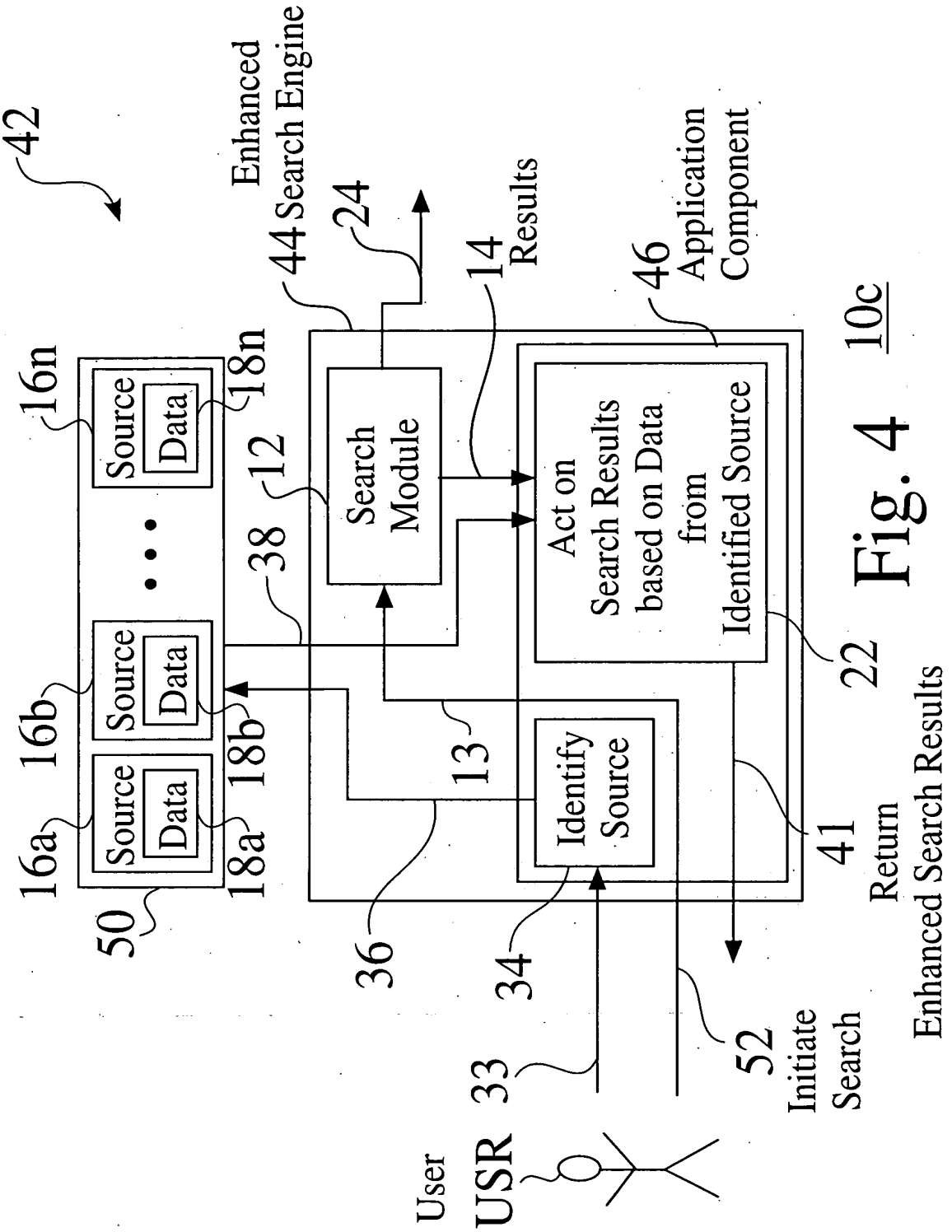
42
Enhanced Search Engine
44
24
14
Results
46
Application Component
16n
18n
Source
Data
12
Search Module
38
Act on Search Results based on Data from Identified Source
16b
18b
13
16a
18a
Identify Source
50
36
34
22
41
Return Enhanced Search Results
User
USR
33
52
Initiate Search

Fig. 4 10c

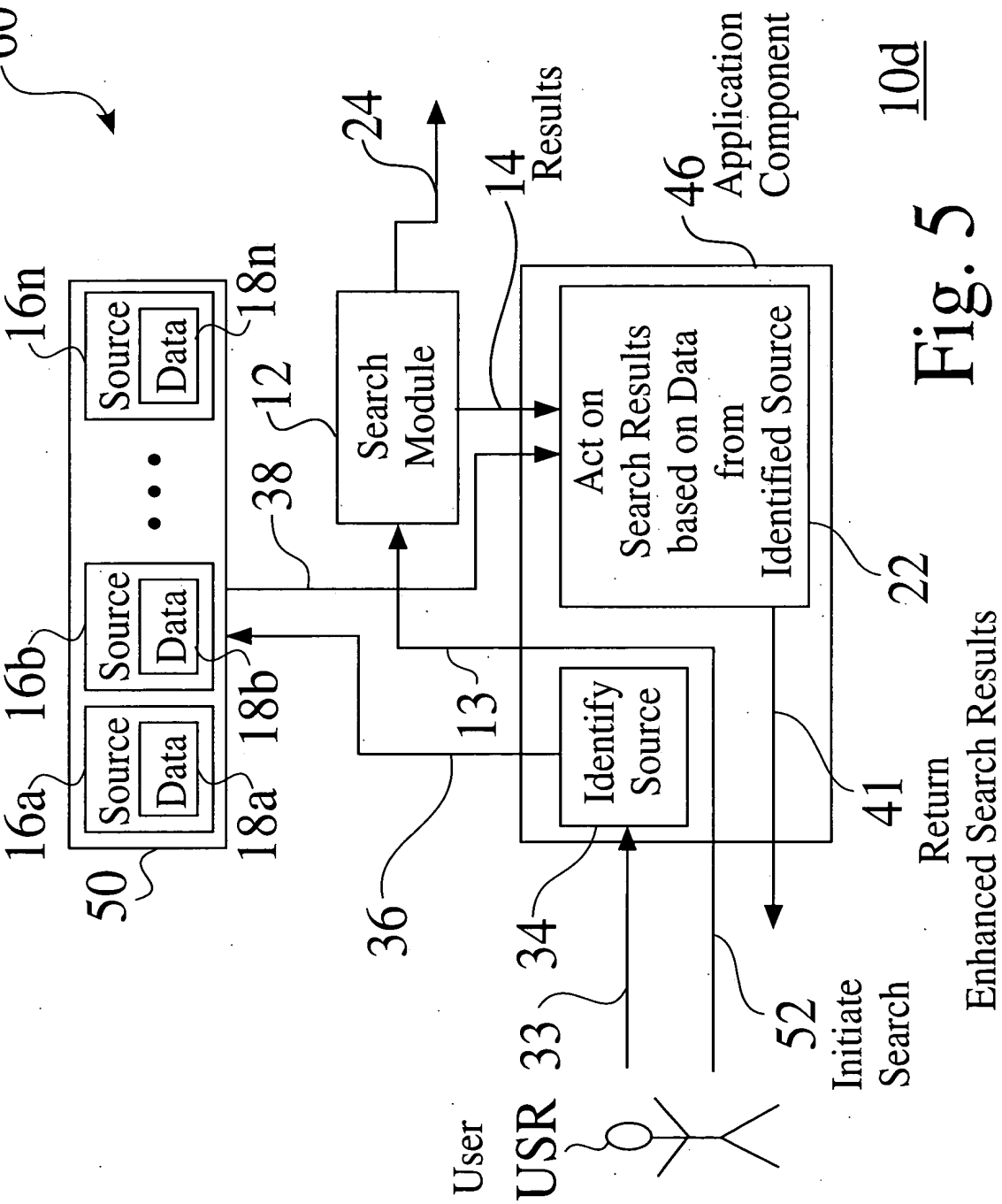
60
16n
Source
Data
18n
16b
Source
Data
16a
Source
Data
18b
18a
50
38
12
Search Module
24
14
Results
46
Application Component
Act on Search Results based on Data from Identified Source
22
13
Identify Source
36
34
41
Return Enhanced Search Results
User
USR
33
52
Initiate Search
10d

Fig. 5

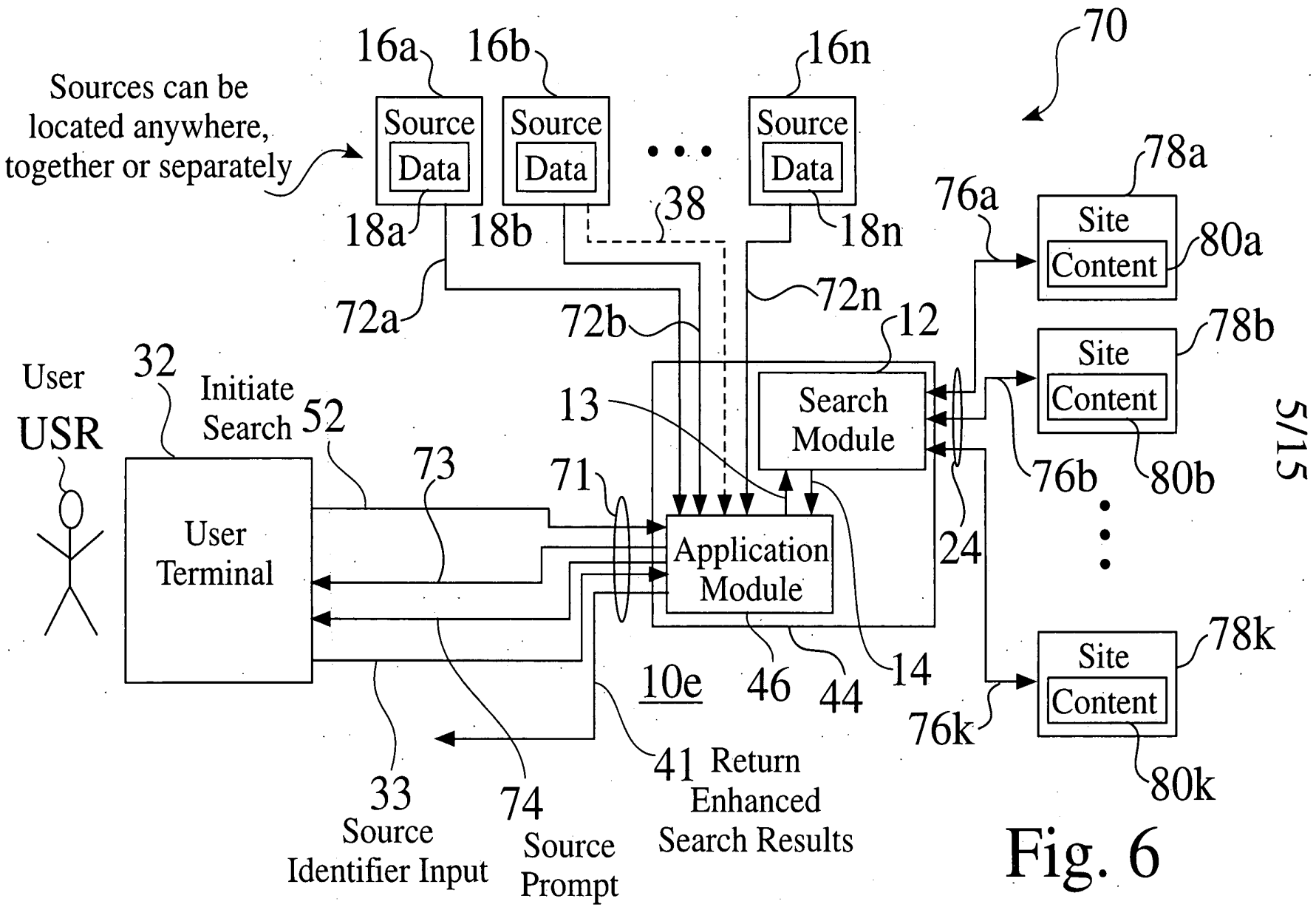
Sources can be located anywhere, together or separately
16a
16b
16n
70
Source
Data
18a
18b
38
18n
72a
72b
72n
12
78a
76a
Site
Content
80a
78b
Site
Content
80b
76b
User
USR
32
Initiate Search
52
73
71
13
Search Module
User Terminal
Application Module
24
10e
46
44
14
76k
Site
Content
78k
80k
41 Return Enhanced Search Results
33 Source Identifier Input
74 Source Prompt
5/15

Fig. 6

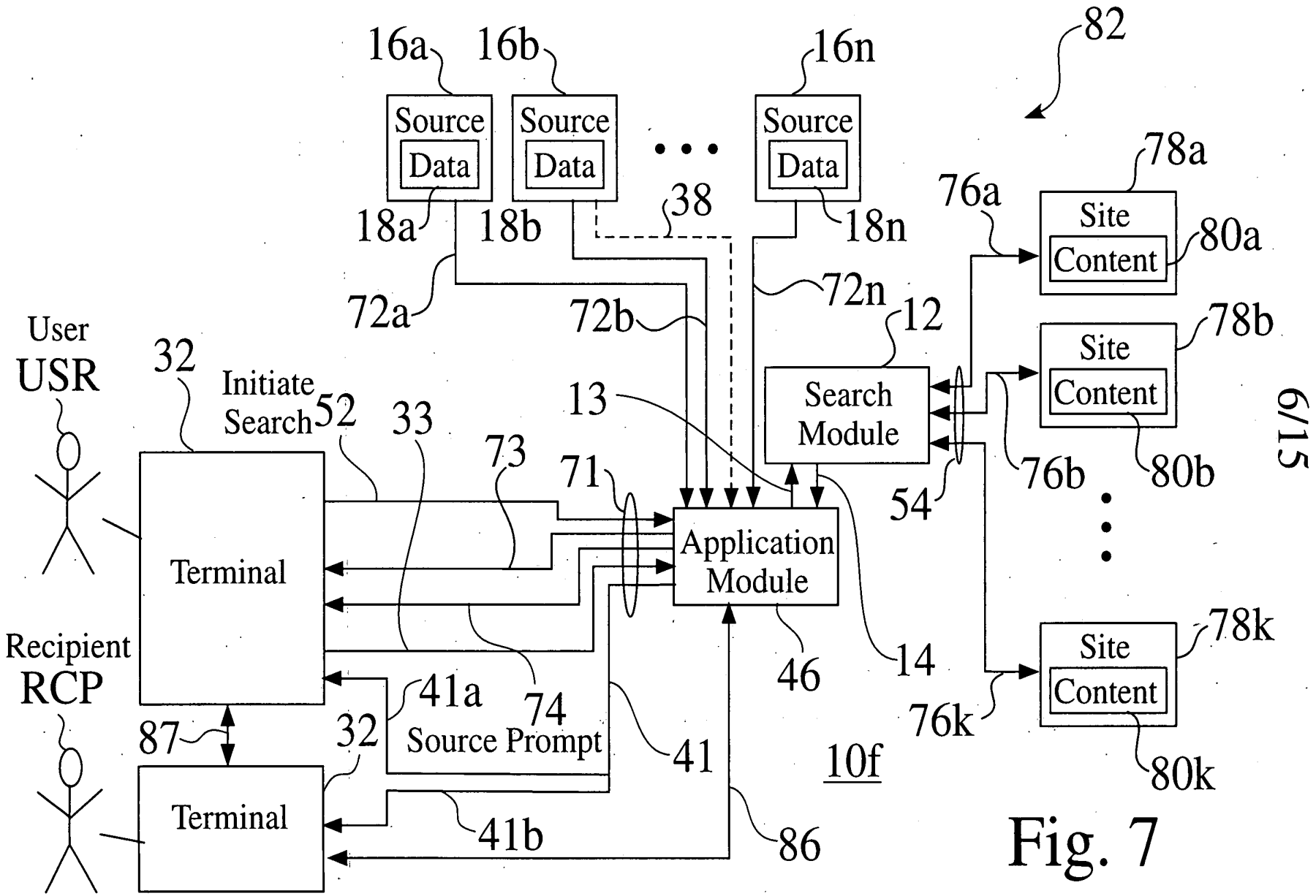
16a
16b
16n
82
Source
Data
Source
Data
Source
Data
78a
76a
Site
Content
80a
18a
18b
38
18n
72a
72b
72n
12
78b
User
USR
32
Initiate
Search
52
33
13
Search
Module
Site
Content
80b
73
71
76b
54
Terminal
Application
Module
14
Recipient
RCP
46
78k
Site
Content
41a
74
76k
87
32
Source Prompt
41
10f
80k
Terminal
41b
86

Fig. 7

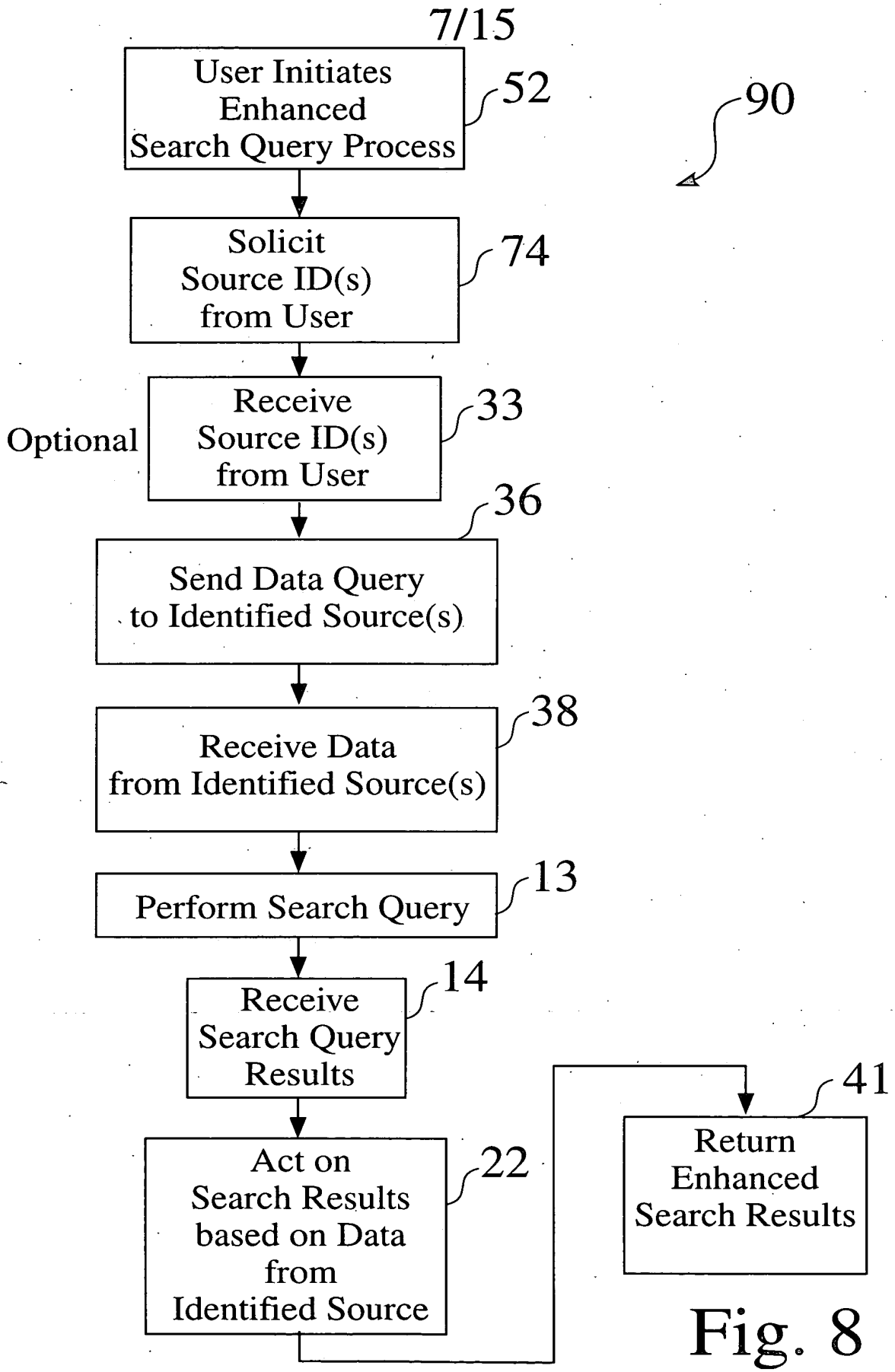
User Initiates Enhanced Search Query Process
52
90
Solicit Source ID(s) from User
74
Optional
Receive Source ID(s) from User
33
Send Data Query to Identified Source(s)
36
Receive Data from Identified Source(s)
38
Perform Search Query
13
Receive Search Query Results
14
Act on Search Results based on Data from Identified Source
22
Return Enhanced Search Results
41

Fig. 8

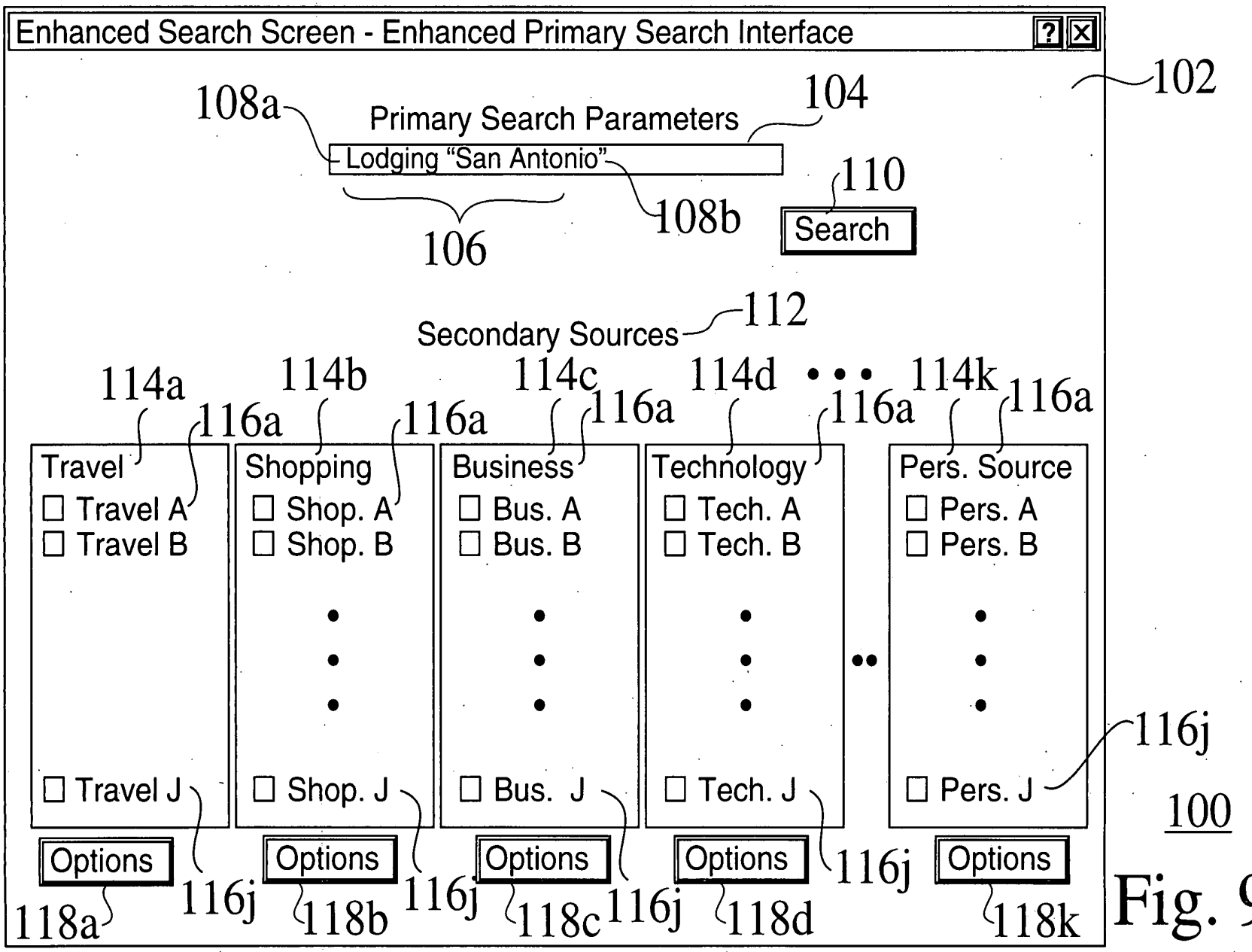
Enhanced Search Screen - Enhanced Primary Search Interface
102
108a
Primary Search Parameters
104
Lodging "San Antonio"
108b
110
Search
106
Secondary Sources
112
114a
114b
114c
114d
114k
116a
Travel
Travel A
Travel B
Travel J
Shopping
Shop. A
Shop. B
Shop. J
Business
Bus. A
Bus. B
Bus. J
Technology
Tech. A
Tech. B
Tech. J
Pers. Source
Pers. A
Pers. B
Pers. J
116j
Options
118a
118b
118c
118d
118k
100

Fig. 9

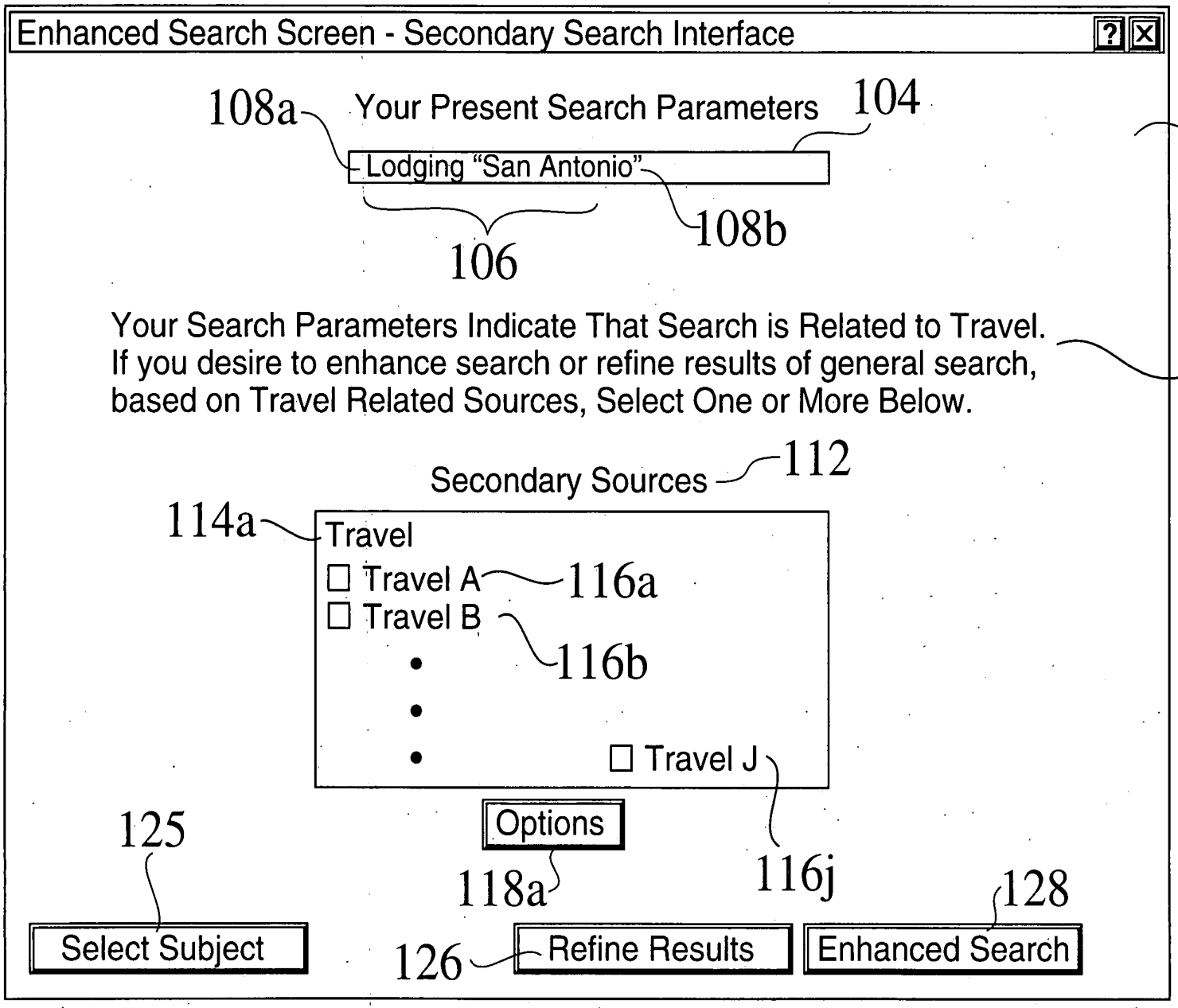
Enhanced Search Screen - Secondary Search Interface
108a
Your Present Search Parameters
104
122
Lodging "San Antonio"
108b
106
Your Search Parameters Indicate That Search is Related to Travel.
If you desire to enhance search or refine results of general search,
based on Travel Related Sources, Select One or More Below.
124
Secondary Sources
112
114a
Travel
Travel A
116a
Travel B
116b
Travel J
116j
Options
118a
125
Select Subject
126
Refine Results
128
Enhanced Search
120

Fig. 10

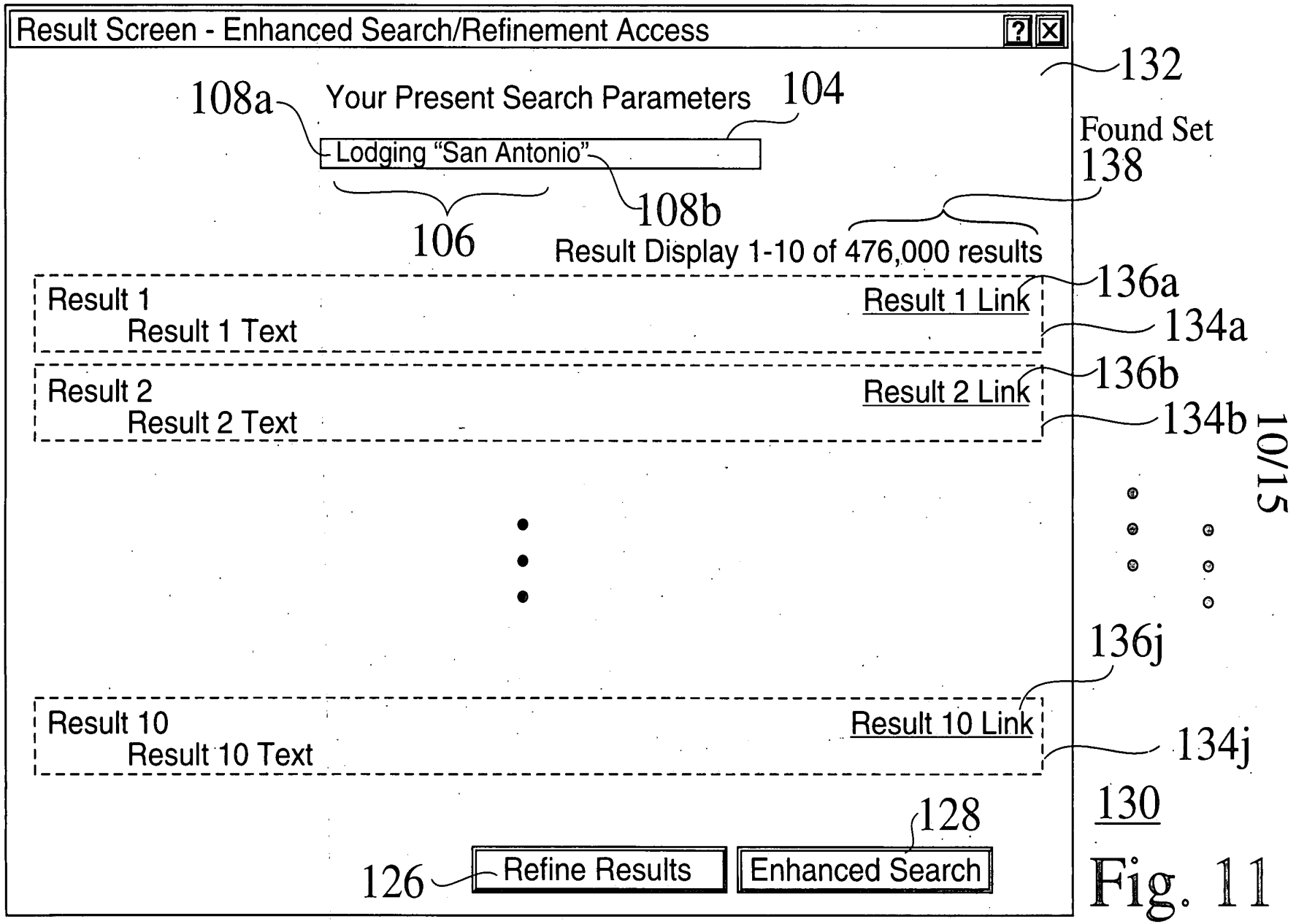
Result Screen - Enhanced Search/Refinement Access
132
108a
Your Present Search Parameters
104
Found Set
138
Lodging "San Antonio"
108b
106
Result Display 1-10 of 476,000 results
Result 1
Result 1 Link
136a
Result 1 Text
134a
Result 2
Result 2 Link
136b
Result 2 Text
134b
10/15
136j
Result 10
Result 10 Link
Result 10 Text
134j
130
128
126
Refine Results
Enhanced Search

Fig. 11

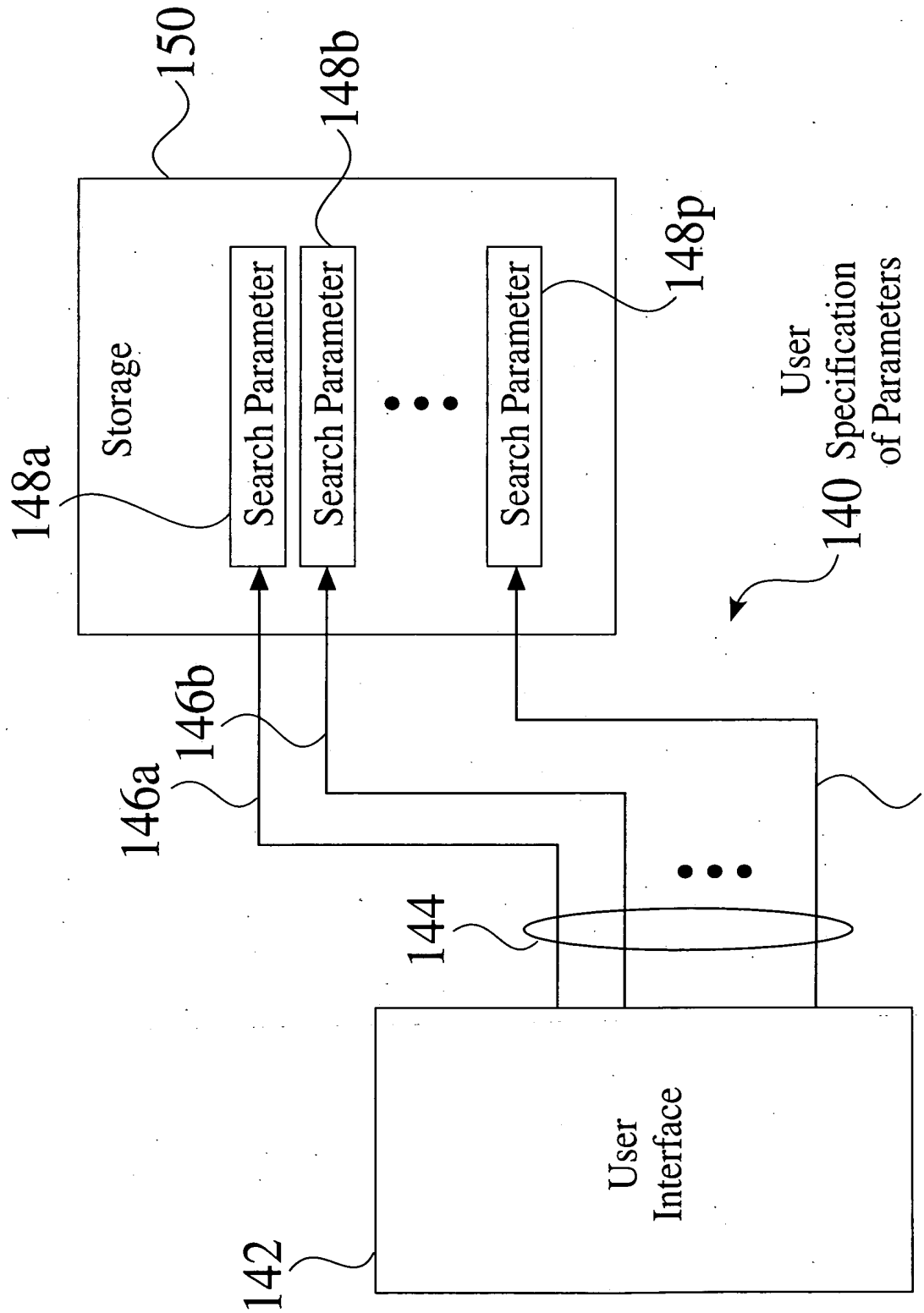
150
148b
148p
148a
Storage
Search Parameter
Search Parameter
Search Parameter
User
140 Specification
of Parameters
146b
146a
146p
144
User
Interface
142

Fig. 12

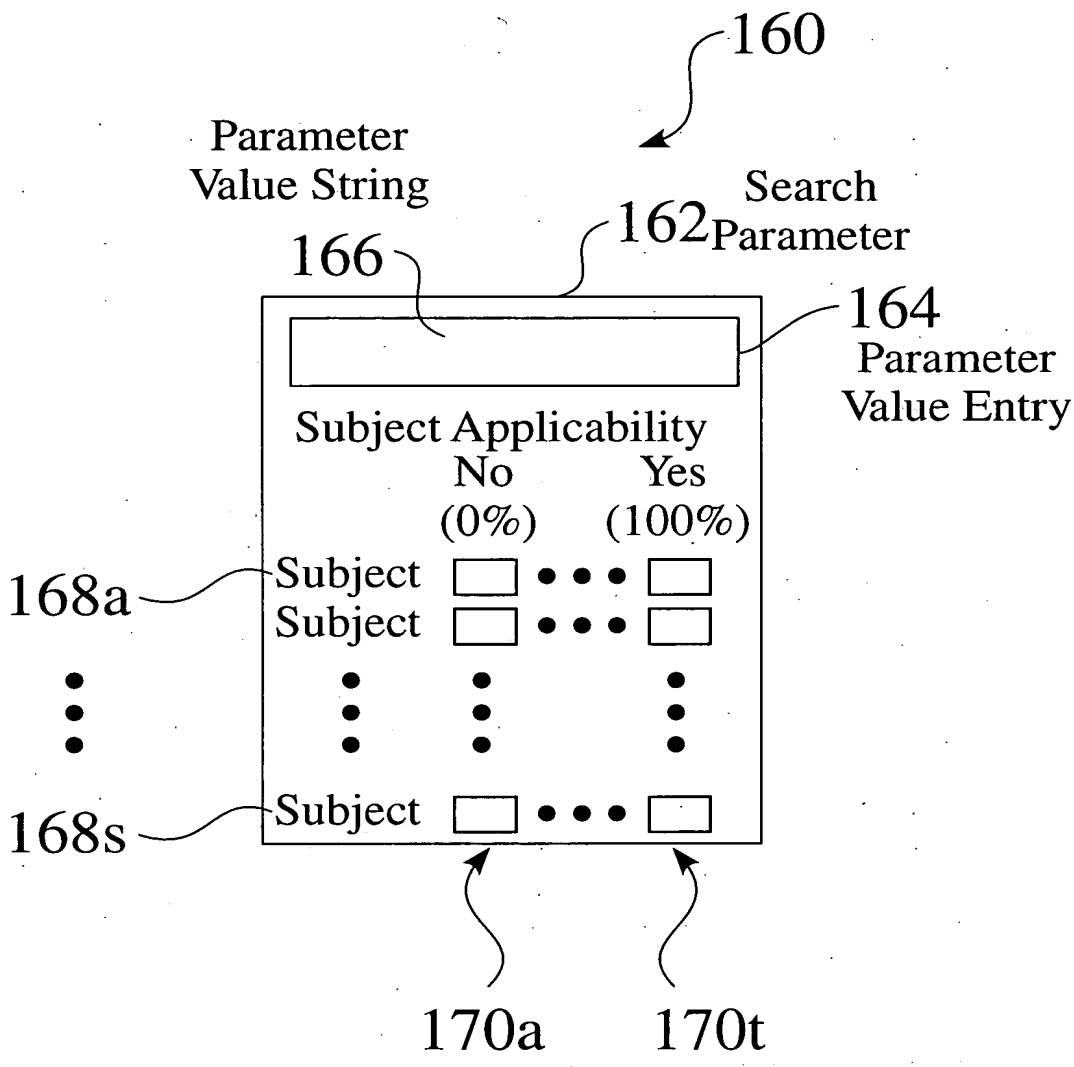
160
Parameter
Value String
Search
Parameter
162
166
164
Parameter
Value Entry
Subject Applicability
No
(0%)
Yes
(100%)
168a
Subject
Subject
168s
Subject
170a
170t

Fig. 13

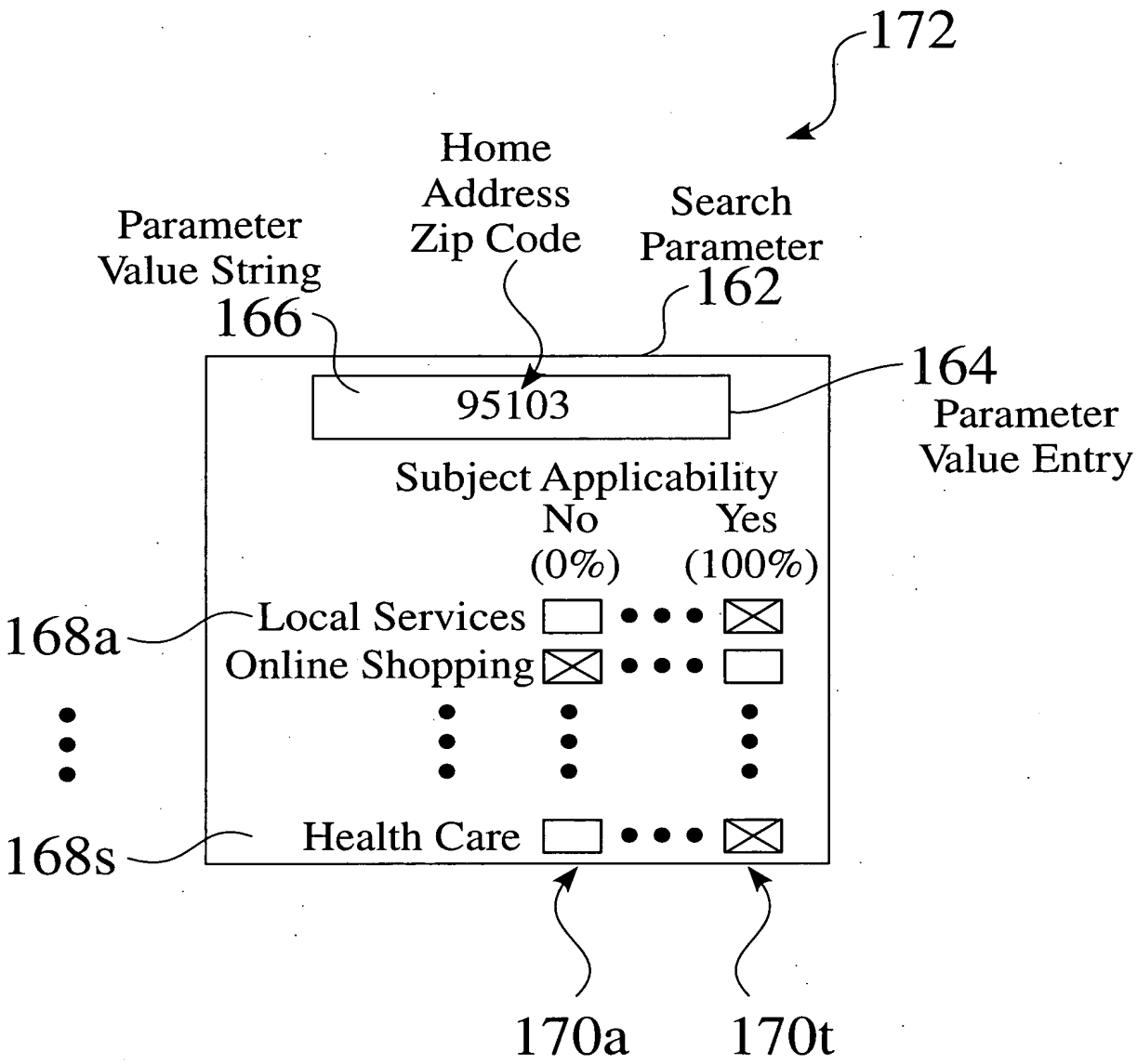
172
Home
Address
Zip Code
Search
Parameter
162
Parameter
Value String
166
95103
164
Parameter
Value Entry
Subject Applicability
No
(0%)
Yes
(100%)
168a
Local Services
Online Shopping
168s
Health Care
170a
170t

Fig. 14

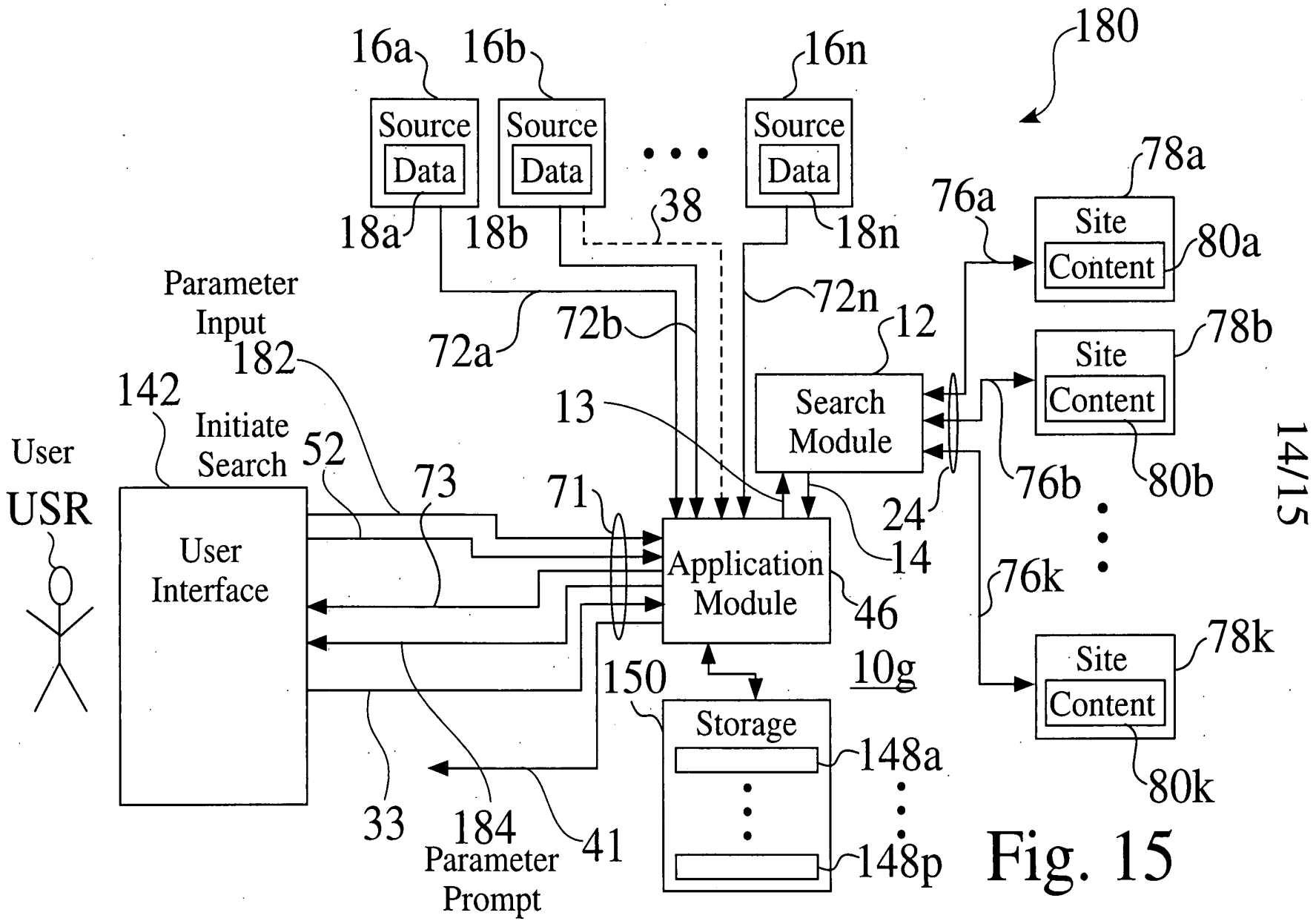
16a
16b
16n
180
Source
Data
18a
18b
38
18n
78a
76a
Site
Content
80a
Parameter
Input
182
72a
72b
72n
12
78b
142
Search
Module
13
Initiate
Search
52
User
USR
73
71
76b
80b
24
14
User
Interface
Application
Module
46
76k
78k
10g
150
Storage
148a
148p
33
184
41
Parameter
Prompt
80k
14/15

Fig. 15

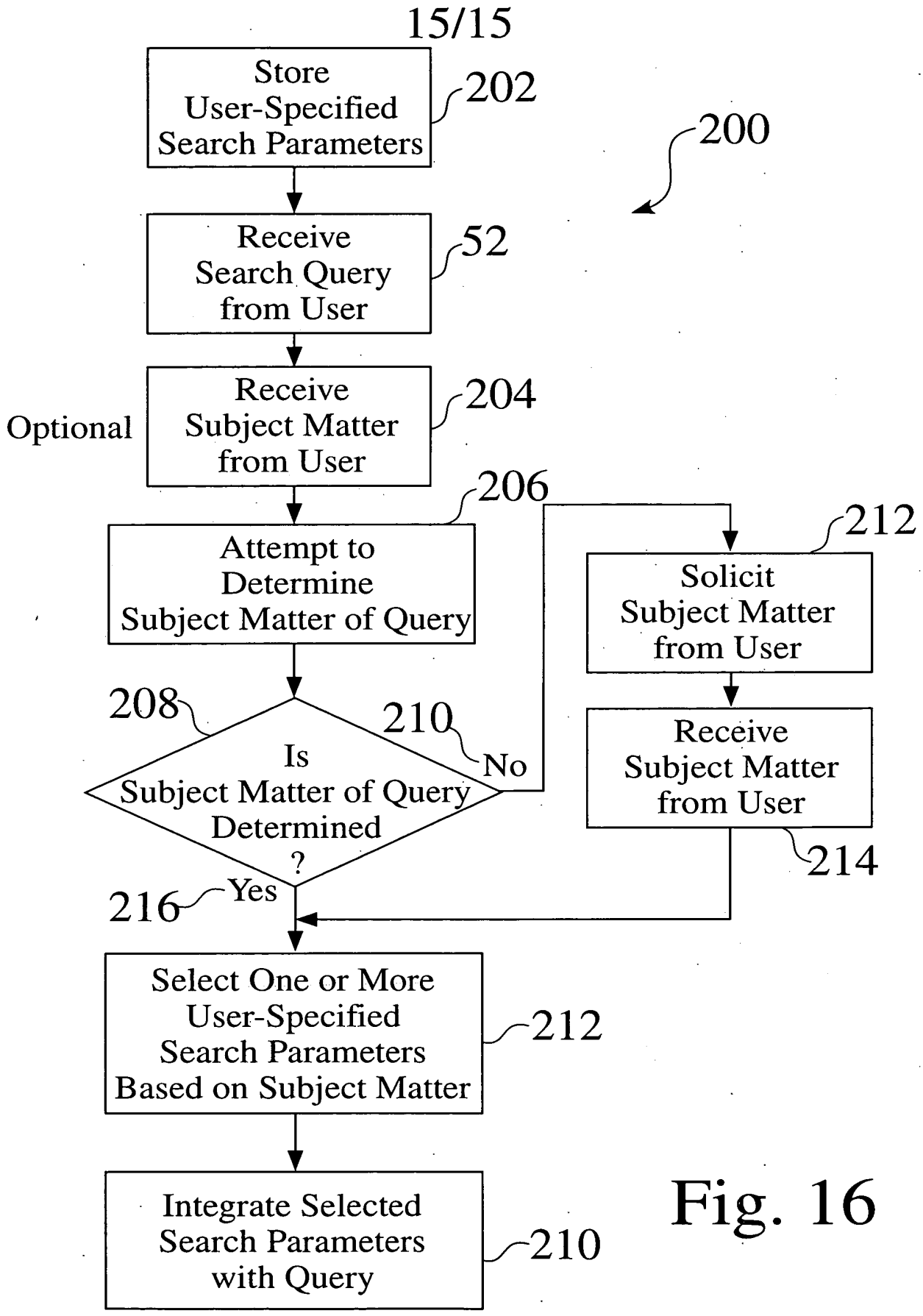
Store User-Specified Search Parameters
202
200
Receive Search Query from User
52
Optional
Receive Subject Matter from User
204
206
Attempt to Determine Subject Matter of Query
212
Solicit Subject Matter from User
208
210
Is Subject Matter of Query Determined ?
No
Receive Subject Matter from User
214
216
Yes
Select One or More User-Specified Search Parameters Based on Subject Matter
212
Integrate Selected Search Parameters with Query
210

Fig. 16